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## Maximize use of library electronic resources to help students achieve better board examination scores through LibGuides and collaboration with a pharmacy educational specialist

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# Maximize use of library electronic resources to help students achieve better board examination scores through LibGuides and collaboration with a pharmacy educational specialist

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## Introduction

The library has many subscriptions, textbooks and Q-bank resources such as AccessPharmacy, APhA Pharmacy Library and Exam Master Online to facilitate pharmacy students' preparation for North American Pharmacist Licensure Examination (NAPLEX). A survey was conducted in 2018 among P4 students. Only 21% students used our NAPLEX Q-bank for their board exam preparation. Roughly 80% students expressed their willingness to use online resources for studying. Students were unable to easily find or select appropriate resources in the library subscribed packages or among a variety of NAPLEX preparation materials. Making the NAPLEX resources easily discoverable and accessible would help students' exam preparation and promote use of library resources.

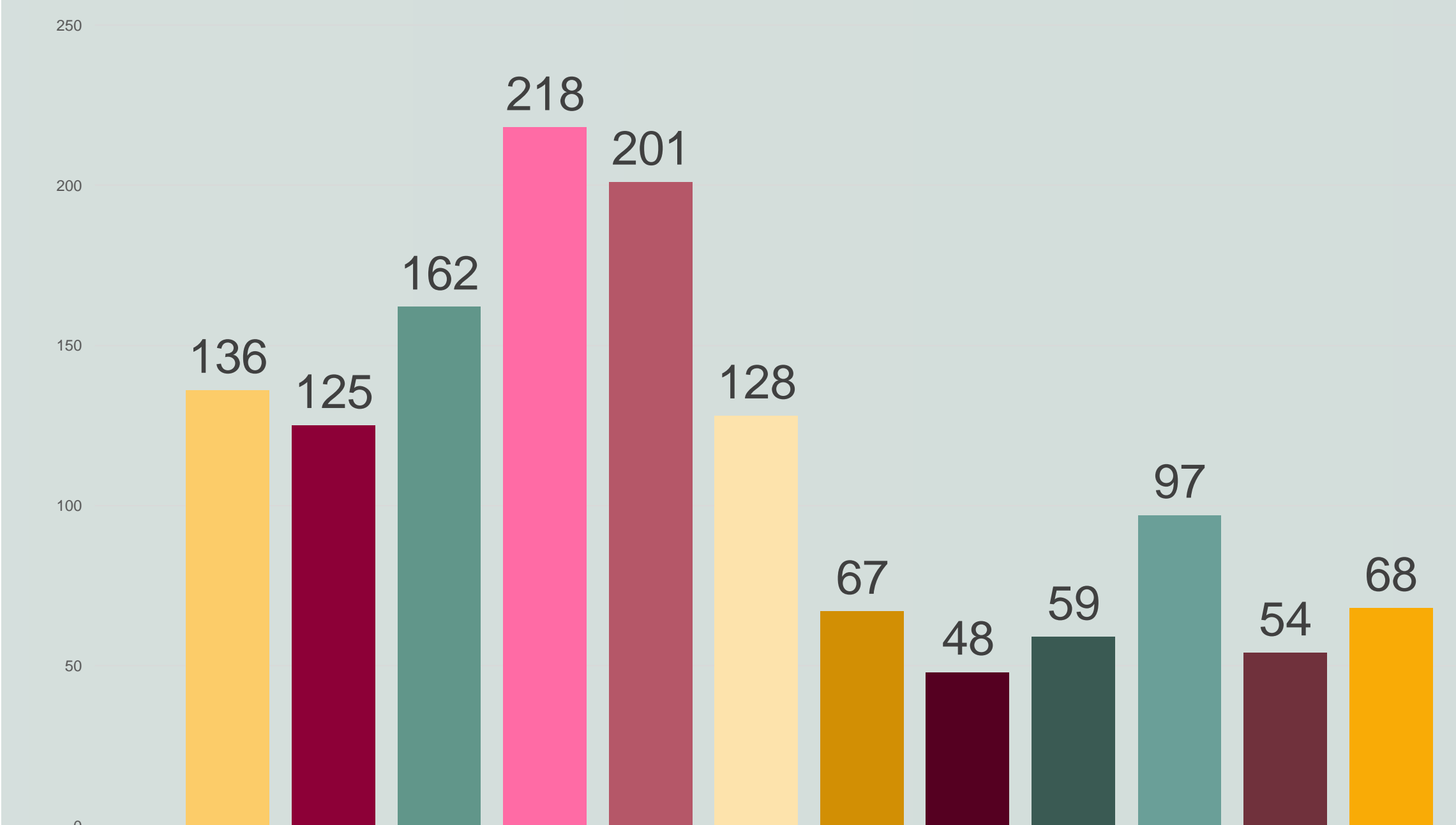
## Collaboration

- The librarian reach out the pharmacy educational specialist and both worked out a plan to maximize use of library NAPLEX resources and deliver the specially designed assignments to the students at the point of preparation.
- As our Pharmacy LibGuides has been heavily used as a study tool by our students, the librarian created a one-stop-shopping NAPLEX preparation LibGuides page which displayed NAPLEX preparation resources based on faculty and educational specialist recommendation and students feedback.
- Pharmacy educational specialist encouraged P4 students to use online NAPLEX resources via NAPLEX LibGuides page. In addition, she identified a variety of pharmacy education competencies under NAPLEX Blueprint and created assignments that would align with these competencies for P4 students. Each assignment included 10-15 quiz questions selected from NAPLEX resources and was distributed to P4 students prior to board examination. Each week students would receive and conduct a new-competency-based assignment, review correct answers with rationale and get feedback on their performance.

## Design Principles

- Focus on the resources which are subscribed by the library.
- Most prominent resources on top. Link to subset competences if possible.
- Keep page up-to-date, reliable, mobile friendly, information easy to find.

## 2018-19 NAPLEX Preparation Page Visits



## Discussion

- Based on LibGuides usage stats, students used NAPLEX resources increased 35% after collaboration and promotion of the NAPLEX preparation page.
- Students accessed the NAPLEX page more frequently in March – May prior to their board exam.
- According to our P4 survey, 43% of students preferred mobile friendly access to the NAPLEX resources. 23% of students liked email notifications and the weekly quizzes sent by the educational specialist to help them prepare for their board examination. 36% students liked to select questions on their own for self-study. 51% students felt that obstacle of using NAPLEX preparation tools was not convenient to use.
- Through the collaboration between librarian and educational specialist, access to the core resources were increased. Students with different study preference were accommodated via delivering Q-bank questions to them systematically at the point of need. The students NAPLEX national pass rate increased 3.36%. Our collaboration assisted students in NAPLEX preparation and thus led to greater student success.